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ABSTRACT OF THE DISCLOSURE

5 A vibration meter and a method of measuring a viscosity
of a fluid flowing through a pipe are disclosed. The
vibration meter comprises meter electronics and a
transducer assembly with an electromechanical excitation
arrangement and with a flow tube which oscillates in
10 operation. A sensor arrangement produces sensor signals
representative of inlet-side and outlet-side deflections
of the flow tube. An evaluation circuit derives from said
sensor signals and from an excitation current generated
by an excitation circuit for the excitation arrangement a
15 viscosity value representative of the viscosity of the
fluid.